(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Johnson County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes, and levees		Aquifer-fed excavated ponds	
			Rating class and limiting features			
7 :			 		 	
Wiota			Somewhat limited Piping			11.00
1B:						
Colo	Somewhat limited Seepage	 0.70	Very limited Depth to saturated zone	11.00	Somewhat limited Slow refill 	10.30
	İ	į	 -	į	Cutbanks cave	0.10
Ely			 Somewhat limited Depth to saturated zone	0.43	 Somewhat limited Slow refill	10.30
	 		'	0.14	 Deep to water Cutbanks cave	0.25
1:	I [
Sparta	Very limited Seepage	11.00	Very limited Seepage 		Very limited Deep to water 	11.00
11B:	 				 	į
Sparta	Seepage	11.00	· •		Very limited Deep to water 	11.00
1C: Sparta	 IVon: limited		 		 	į
sparta	Seepage	11.00	· •		Very limited Deep to water	11.00
1D:			 		 	
Sparta	Seepage	 1.00 0.02	Seepage		Very limited Deep to water 	11.00
13:	 		 		 	
Bremer				11.00	Somewhat limited Slow refill	10.30
			Hard to pack		Cutbanks cave	0.10
64:	 		 		 	
400K	Somewhat limited Seepage		Very limited Depth to saturated zone	11.00	Somewhat limited Slow refill	 0.95
	1		Saturated Zone Hard to pack	0.86	 Cutbanks cave 	0.10
3B:	 		 		 	
Chelsea	Seepage	11.00	Somewhat limited Seepage	10.96	Very limited Deep to water	11.00

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Johnson County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes, and levees		Aquifer-fed excavated pond	ls
			Rating class and limiting features			
3C:	[[i 	<u> </u>	i I	 	İ
Chelsea	-		Somewhat limited Seepage			11.00
3E: Chelsea	Seepage		 Somewhat limited Seepage 			11.00
5D2: Lindley			Piping		 Very limited Deep to water 	1 1 1 1 1 1 1 1 1 1
5E2: Lindley	Seepage		 Somewhat limited Piping 		· -	 1.00
5F: Lindley			Piping		. 4	1 1.00
5F2: Lindley	Slope		Piping		_	1 1 1 1 1 1 1 1 1 1
5: Givin	•		saturated zone	0.43	 Somewhat limited Slow refill Deep to water	 0.95 0.25
6B: Ladoga					Cutbanks cave Very limited	0.10
6C2: Ladoga	 	0.70 0.70	 Not limited	 	Deep to water Very limited Deep to water	1.00 1.00
6D2: Ladoga	 Somewhat limited Seepage Slope	 0.70 0.01			 Very limited Deep to water	1 1.00

Johnson County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes levees	s, and	Aquifer-fed excavated pond	ls
			 Rating class and limiting features 			
30B: Clinton		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 Not limited	 	 Very limited Deep to water	1 1 1 . 00
80C: Clinton		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 Not limited 	 	 Very limited Deep to water 	1 1.00
30C2: Clinton		10.70	 Not limited 	 	 Very limited Deep to water 	1 1.00
80D: Clinton	Seepage	 0.70 0.01	•	 	 Very limited Deep to water 	1 1.00
80D2: Clinton	Seepage	 0.70 0.01	•	 	 Very limited Deep to water 	1 1.00
80D3: Clinton		 0.70 0.01		 	 Very limited Deep to water 	 1.00
33B: Kenyon			 Somewhat limited Piping 		 Very limited Deep to water 	 1.00
33C2: Kenyon					 Very limited Deep to water	 1.00
38: Nevin			 Somewhat limited Depth to saturated zone	0.43	i I	 0.30 0.25
110B: Lamont	 - - Very limited Seepage	1 1.00	 Somewhat limited Seepage		Cutbanks cave Very limited	
110C: Lamont	 Very limited Seepage	1 1.00	 Somewhat limited Seepage		 Very limited Deep to water	1 1 1 1 1 1 1 1 1 1

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Johnson County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes, and levees		=	
			 Rating class and limiting features 			
10E:		 	 	 	 	
Lamont	Seepage		Seepage		Very limited Deep to water 	11.00
18:			 		 	I
			Very limited Depth to saturated zone		Somewhat limited Slow refill	0.30
	 	 	saturated zone 	 	 Cutbanks cave 	0.10
119:	İ		İ		İ	İ
Muscatine	Somewhat limited Seepage 		Somewhat limited Depth to saturated zone		Somewhat limited Slow refill	10.30
		 		 	, <u>.</u>	0.25
19B:			 		 	
Muscatine	Somewhat limited Seepage		•	0.43	Somewhat limited Slow refill	10.30
					-	0.25
120B:			 		 	
Tama	Somewhat limited Seepage				Very limited Deep to water	11.00
120C:			 		 	
Tama	Somewhat limited Seepage		Somewhat limited Piping		Very limited Deep to water	11.00
120C2:	1		 		 	
Tama	·		Somewhat limited Piping		Very limited Deep to water	11.00
120D2:						
Tama			Piping		Very limited Deep to water 	11.00
122:			 		 	
Sperry	·		· ±	11.00	Somewhat limited Slow refill	10.30
			saturated zone Hard to pack		Cutbanks cave	0.10

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Johnson County, Iowa

Map symbol and soil name	Pond reservoir ar 	eas	Embankments, dikes, and levees			
	Rating class and limiting features 		Rating class and limiting features 		=	
33: Colo		 0.70	 Very limited Depth to saturated zone	11.00		 0.30 0.10
33+: Colo			 Very limited Depth to saturated zone	11.00		0.30
35: Coland	•	1.00 	Depth to saturated zone Seepage	11.00	 	 0.10
40: Sparta	 Very limited Seepage	11.00	 Very limited Seepage	11.00	 Very limited Deep to water	1 1.00
41: Watseka	 Very limited Seepage 	11.00	Depth to saturated zone	1.00 		 1.00 0.01
52: Marshan	 Very limited Seepage 	 1.00 	Depth to saturated zone	11.00		 1.00
60: Walford			 Very limited Depth to saturated zone 	11.00		 0.30 0.10
61: Walford				11.00		 0.30 0.10

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Johnson County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes levees		Aquifer-fed excavated pond	ls
			 Rating class and limiting features 			
Atterberry			Depth to saturated zone	11.00	 Cutbanks cave	 0.30 0.10 0.01
62B: Downs			 Somewhat limited Piping		· •	1 1 1 . 00
62C: Downs			 Somewhat limited Piping			1 1.00
62C2: Downs			 Somewhat limited Piping			1 1.00
l62D2: Downs	Seepage		 Somewhat limited Piping 		· •	11.00
63B: Fayette			 Somewhat limited Piping			11.00
63C: Fayette			 Somewhat limited Piping			1 1 1 1 1 1 1 1 1 1
63C2: Fayette			 Somewhat limited Piping			11.00
63D: Fayette	Seepage		Piping		 Very limited Deep to water	11.00
63D2: Fayette	 Somewhat limited Seepage Slope		 Somewhat limited Piping 		 Very limited Deep to water 	1 1.00
63D3: Fayette	 Somewhat limited Seepage Slope	 0.70 0.01		 0.03	 Very limited Deep to water 	 1.00

Johnson County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes levees		Aquifer-fed excavated pond	ls
			 Rating class and limiting features 			
63E: Fayette	Seepage		Piping			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
63E2: Fayette	Seepage		Piping		•	11.00
63E3: Fayette	Seepage		 Somewhat limited Piping 			11.00
63F: Fayette			Piping			11.00
63F2: Fayette	Seepage		Piping			1 1.00
63G: Fayette	Seepage		Piping		•	11.00
65: Stronghurst			 Very limited Depth to saturated zone Piping	1.00 0.53	 Cutbanks cave	 0.30 0.10 0.01
71B: Bassett		0.70		0.58	_	 1.00
71C2: Bassett	 Somewhat limited Seepage	i	, Somewhat limited	İ	 Very limited	1 1.00
71D2: Bassett	 Somewhat limited Seepage Slope	 0.70 0.01		 0.58	 Very limited Deep to water 	1 1 1 1 1 1 1 1 1 1

Johnson County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes levees	, and	Aquifer-fed excavated pond	ls
	=				-	
171D3:			 		 	
Bassett					Very limited Deep to water 	11.00
173:						
Hoopeston	- Very limited Seepage	11.00	Very limited Depth to saturated zone	11.00		11.00
					Deep to water	0.01
174B:			 		 	
Bolan			Somewhat limited Seepage			11.00
175:						
Dickinson	Seepage		Somewhat limited Seepage			11.00
L75B:			 		 	
Dickinson	•		Somewhat limited Seepage			11.00
175C:			 			
Dickinson	•		Somewhat limited Seepage		Very limited Deep to water	11.00
178:	177					
Waukee			Somewhat limited Seepage		Very limited Deep to water	11.00
179D2:			 		 	
Gara		 0.05 0.01		 	Very limited Deep to water 	11.00
179E2:			' 	į	 	į
	Seepage	0.05			 Very limited Deep to water	11.00
	Slope 	0.04 	 		 	
l84: Klinger	 - Somewhat limited		•		 Somewhat limited	
	Seepage 	0.70 	Depth to saturated zone		Slow refill 	0.30
	 	 	'	0.02	Deep to water Cutbanks cave	0.25

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Johnson County, Iowa

Map symbol and soil name	 Pond reservoir ar 	eas	 Embankments, dikes levees	, and	Aquifer-fed excavated pond	ls
	Rating class and limiting features		Rating class and limiting features 		•	
220: Nodaway	•		 Very limited Piping 	11.00	•	 0.81 0.30 0.10
226: Lawler			saturated zone	0.43	Cutbanks cave	 1.00 0.25
279: Taintor			Depth to saturated zone	11.00	 Somewhat limited Slow refill 	 0.95
280: Mahaska	•		 Somewhat limited	 0.43 0.06	 Deep to water	0.10 0.30 0.25 0.10
281B: Otley		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			 Very limited Deep to water	
81C2: Otley		10.70	 Not limited 		 Very limited Deep to water	11.00
81D2: Otley	Seepage	 0.70 0.01	'		 Very limited Deep to water 	11.00
84: Flagler	· =		 Somewhat limited Seepage 		 Very limited Deep to water 	1 1 1 1 1 1 1 1 1 1
85C: Burkhardt	· =				 Very limited Deep to water 	11.00

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Johnson County, Iowa

Map symbol and soil name	Pond reservoir ar 	eas	Embankments, dikes, and levees		*	
	Rating class and limiting features 		Rating class and limiting features 		=	
291:	 		 		 	
Atterberry	•		' -	11.00	Somewhat limited Slow refill 	10.30
	 		•	0.91		0.10
291B:	 		 		 	1
Atterberry	Somewhat limited Seepage 		Very limited Depth to saturated zone	11.00	Somewhat limited Slow refill 	10.30
	 -		•	0.91		0.10
293C:						
Chelsea	Very limited Seepage				Very limited Deep to water	11.00
Lamont	 Very limited Seepage				 Very limited Deep to water	 1.00
Fayette	•		 Somewhat limited Piping		 Very limited Deep to water	 1.00
293C2:	 		 		 	
Chelsea					Very limited Deep to water	11.00
Lamont			•		 Very limited Deep to water	11.00
Fayette			 Somewhat limited Piping		 Very limited Deep to water	1 1.00
293D:	 		 		 	
Chelsea	Seepage		Seepage		Very limited Deep to water 	11.00
Lamont	Seepage		Seepage		 Very limited Deep to water 	 1.00
Fayette	Seepage		Piping		 Very limited Deep to water	 1.00

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Johnson County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes, and levees		Aquifer-fed excavated ponds	
	Rating class and limiting features					
93D2:			 		 	
Chelsea	Seepage	 1.00 0.01	Somewhat limited Seepage 	 0.96 	Very limited Deep to water 	11.00
Lamont	Seepage		 Somewhat limited Seepage 			1 1.00
Fayette	- Somewhat limited Seepage Slope		Piping			1 1.00
93E:			 		 	
Chelsea	Seepage	11.00	Somewhat limited Seepage 	 0.96 	Very limited Deep to water 	11.00
Lamont	Seepage		 Somewhat limited Seepage 			1 1.00
Fayette	- Somewhat limited Seepage Slope		Piping			 1.00
93E2:			 		 	1
Chelsea	Seepage		Somewhat limited Seepage 			 1.00
Lamont	Seepage Slope	1.00 0.04	 Somewhat limited Seepage 	 0.98	 Very limited Deep to water 	1 1.00
Fayette	- Somewhat limited Seepage		Piping			1 1.00
93F: Chelsea	Seepage		 Somewhat limited Seepage 			1 1 1 1 1 1 1 1 1 1
Lamont	 - Very limited Seepage		 Somewhat limited Seepage			1 1.00

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Johnson County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes levees	, and	Aquifer-fed excavated pond	ls
	Rating class and limiting features		Rating class and limiting features		•	
Fayette					 Very limited Deep to water	11.00
93G: Chelsea	Seepage		 Somewhat limited Seepage 		-	11.00
Lamont	Seepage	1.00 0.64				1 1.00
Fayette		i	Piping			1 1.00
20: Arenzville	 Somewhat limited Seepage 		•	0.97	Deep to water Slow refill	 0.96 0.30 0.10
50B: Waukegan	· •	11.00	Piping		•	11.00
52B: Whittier	. 4	1.00			Deep to water	1 1.00
52C2: Whittier	. 4	1.00			Deep to water	1 1.00
77B: Dinsdale	 Somewhat limited Seepage				=	 1.00
77C2: Dinsdale	 Somewhat limited Seepage				•	1 1.00

Johnson County, Iowa

Map symbol and soil name	Pond reservoir areas		Embankments, dikes, and levees		=	
	Rating class and limiting features		Rating class and limiting features			
382: Maxfield	 - Somewhat limited Seepage 		 Very limited Depth to saturated zone 		l	 0.30 0.10
120B: Tama			 Somewhat limited Piping 			 1.00
122: Amana	'		 Somewhat limited Depth to saturated zone Piping	0.43 0.12	 Deep to water	 0.30 0.25 0.10
428B: Ely	 - Somewhat limited Seepage 		 Somewhat limited Depth to saturated zone Piping	0.43	 Somewhat limited Slow refill Deep to water	 0.30 0.25
130: Ackmore			Depth to saturated zone	1.00 0.01	 Somewhat limited Slow refill Cutbanks cave	 0.30 0.10 0.01
142B: Tama	 - Somewhat limited Seepage		 Somewhat limited Piping		=	 1.00
Dickinson	 - Very limited Seepage		 Somewhat limited Seepage		 Very limited Deep to water	1 1.00
42C2: Tama	 - Somewhat limited Seepage		 Somewhat limited Piping			1 1.00
Dickinson	 Very limited Seepage	11.00	 Somewhat limited Seepage		 Very limited Deep to water	11.00
442D2: Tama	 - Somewhat limited Seepage Slope		 Somewhat limited Piping 		 Very limited Deep to water 	1 1.00

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Johnson County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes levees	, and	-	ls
	Rating class and limiting features		Rating class and limiting features		=	
Dickinson	Seepage		 Somewhat limited Seepage		· •	 1.00
53: Tuskeego	 Not limited 		. 4	11.00	 Somewhat limited Slow refill 	10.30
184: Lawson		0.70	Piping	 1.00 1.00	 Somewhat limited Slow refill Cutbanks cave 	0.10 0.30 0.10 0.01
185: Spillville	· -		'	0.73	 Somewhat limited Deep to water Cutbanks cave	 0.81 0.10
20: Coppock	 Somewhat limited Seepage 	 0.70 	saturated zone	0.02		 0.30 0.10 0.01
339: Perks	· -				 Very limited Deep to water 	1 1 1 1 1 1 1 1 1 1
21: Houghton			Content of organic matter	1.00 1.00	İ	 0.10
587: Watkins					 Very limited Deep to water 	1 1 1 1 1 1 1 1 1 1
87B: Watkins					 Very limited Deep to water	 1.00

Johnson County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes levees	, and	Aquifer-fed excavated pond	ls
	Rating class and limiting features		Rating class and limiting features			
588: Koszta	 - Somewhat limited Seepage 	 0.70	 Somewhat limited Depth to saturated zone	 0.86	 Somewhat limited Slow refill Cutbanks cave	 0.30 0.10
727: Udolpho	 - Very limited Seepage -	 1.00	 Very limited Depth to saturated zone Seepage		Deep to water Very limited Cutbanks cave 	0.06 1.00
29B: Nodaway	 Somewhat limited Seepage 		 Very limited Piping 	11.00	 Somewhat limited Deep to water Slow refill Cutbanks cave	 0.81 0.30 0.10
Arenzville	 Somewhat limited Seepage 	 0.70 	 Somewhat limited Piping 	 0.97 	 Somewhat limited Deep to water Slow refill Cutbanks cave	 0.96 0.30 0.10
'60: Ansgar	 Somewhat limited Seepage 	 0.70 	•	11.00	 Somewhat limited Slow refill Cutbanks cave	0.30
61: Franklin	 Somewhat limited Seepage 	 0.70 	 Somewhat limited Depth to saturated zone Piping 	 0.43 0.21		 0.30 0.25 0.10
771B: Waubeek	 Somewhat limited Seepage	 0.70	 Somewhat limited Piping	0.17	 Very limited Deep to water	 1.00
71C2: Waubeek	 Somewhat limited Seepage	1 1 1 1 1 1 1 1 1 1	 Very limited Piping	i	, Very limited	1 1 1 1 1 1 1 1 1 1
778: Sattre	 Very limited Seepage	1 1.00	 Somewhat limited Seepage	1 1.00	 Very limited Deep to water	1 1 1 1 1 1 1 1 1 1

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Johnson County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes levees	, and	Aquifer-fed excavated pond	ls
	Rating class and limiting features		Rating class and limiting features 			
778B:	 		 		 	
Sattre	=		•		Very limited Deep to water	11.00
92D2:			 		 	
Armstrong		0.05		11.00	Somewhat limited Slow refill	10.95
	Slope		•	0.14	 Cutbanks cave Deep to water	0.10
'93 :		 	 		 	
Bertrand	-	11.00	Piping		 Very limited Deep to water 	11.00
326:	 		 		 	
Rowley	•	11.00	Seepage	11.00	Very limited Cutbanks cave Deep to water	 1.00 0.01
	 		saturated zone Piping	0.84	 	
376B:	 		 		 	
Ladoga	•	0.70	•		Very limited Deep to water	11.00
920:						-
Tama	•	1.00	Somewhat limited Piping Seepage		Deep to water	11.00
20B:	 	 	 		 	
Tama	-				Deep to water	11.00
962:	 	 	 		 	
Elvira			•	11.00	Somewhat limited Slow refill	10.30
					 Cutbanks cave	0.10
974B:			 		 	
Bolan	•	11.00	Not limited	1	Very limited Deep to water	11.00

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Johnson County, Iowa

Map symbol and soil name	Pond reservoir ar 	eas	Embankments, dikes levees	, and		ls
	Rating class and limiting features		Rating class and limiting features			
776: Raddle	•	•	 Very limited Piping		 Very limited Deep to water	 1.00
993D2:	 		 		 	
Gara	Seepage	0.05	•		Very limited Deep to water 	11.00
Armstrong				11.00	 Somewhat limited Slow refill 	 0.95
	Slope 	0.01 	Piping 	0.14 		0.10 0.01
993E2: Gara	Seepage	 0.05 0.04	•		 Very limited Deep to water 	 1.00
Armstrong			 Very limited Depth to saturated zone	11.00	 Somewhat limited Slow refill 	 0.95
	Slope 	0.04	Piping 	0.14		0.10
119: Muscatine			 Somewhat limited Depth to saturated zone 	0.43	 Deep to water	 0.30 0.25 0.10
1160: Walford	•	 0.70 		11.00	 Somewhat limited Slow refill Cutbanks cave	 0.30 0.10
220: Nodaway			 Very limited Piping 		Slow refill	 0.81 0.30

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Johnson County, Iowa

Map symbol and soil name	Pond reservoir ar 	eas	Embankments, dikes levees	, and	Aquifer-fed excavated pond	ls
	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
280: Mahaska 		 0.70 	saturated zone	0.43		 0.30 0.25 0.10
291: Atterberry 			saturated zone	11.00	 Somewhat limited Slow refill Cutbanks cave Deep to water	 0.30 0.10 0.01
315: Perks			'		 Very limited Deep to water	
Spillville	•		 Somewhat limited Piping 		Somewhat limited Deep to water Cutbanks cave	0.81
316: Fluvaquents	 Not rated 	 	 Not rated 	 	 Not rated 	
484: Lawson 			,	11.00	Cutbanks cave 	 0.30 0.10 0.01
485: Spillville 	-		 Somewhat limited Piping 	0.73	 Somewhat limited Deep to water Cutbanks cave	 0.81 0.10
422: Amana 			saturated zone			 0.30 0.25

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Johnson County, Iowa

Map symbol and soil name	Pond reservoir ar 	eas	Embankments, dikes levees	, and	Aquifer-fed excavated pond	ls
	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	
Lawson			Piping	11.00	 Somewhat limited Slow refill Cutbanks cave Deep to water	 0.30 0.10
Perks				10.98	 Very limited Deep to water	11.00
010: Pits	 Not rated 	 	 Not rated 		 Not rated 	
030: Pits	 Not rated 	 	 Not rated 	 	 Not rated	
040: Orthents	 Not rated 	 	 Not rated 	 	 Not rated 	
NT: Intermittent Water	 Not rated 	 	 Not rated 	 	 Not rated 	
L: Sewage Lagoon	 Not rated 	 	 Not rated 		 Not rated 	
: Water	 Not rated 	 	 Not rated 		 Not rated 	